cold spring granites

fifteen granites of color...

cold spring granites

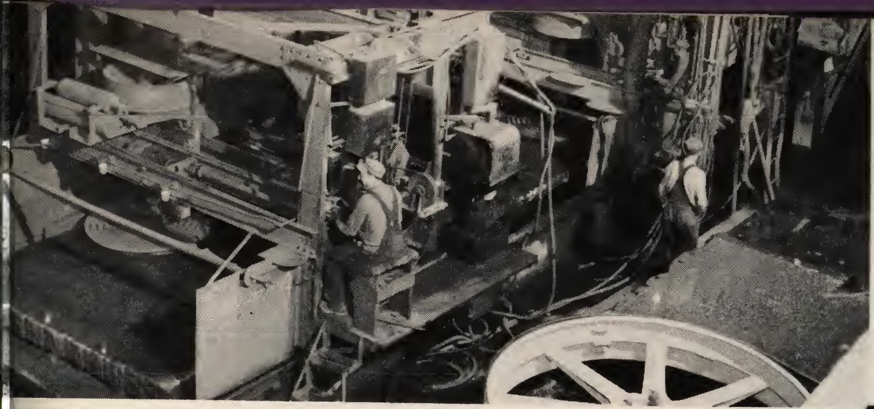
Cold Spring Granite Company and Texas Granite Corporation are owned and operated by men whose forebears founded the business in 1889. Today the organization is one of the largest granite quarrying and fabricating companies in the country.

Primary purpose of our resources, our facilities and over 65 years of experience is concentrated upon giving you the finest *architectural* granites.

With that purpose in mind, the Company has enjoyed an outstanding reputation for supplying beautiful granites at a greater savings. Advances made by Cold Spring Granite Company are instrumental in giving you the wider range of possible uses and superior applications of granites in today's buildings.

The company has greatly lowered cost of granite installations by pioneering in processes of channel quarrying, gang-saw cutting, continuous line polishing, vertical polishing and other mechanical applications. These processes give you a wider choice of granite sizes and finishes at much greater savings.

Our quarries allow complete control of size, color and delivery. This assures you that later additions will perfectly match the rest of the granite. Besides the 14 colors from our own quarries, we can supply



foreign and other domestic granites when the designer's color scheme requires them.

In addition to economy and variety of colors and sizes offered, the Company is well known for quality workmanship and handling in every stage of production and delivery. Our workmen are efficient and experienced. They take pride in placing granites on the job that satisfy your requirements.

For helpful information on anchoring, jointing and other details of fabrication, consult our staff of competent engineers and draftsmen. Inquiries from architects and builders are always welcome.

contents

characteristics

Why granite gives lasting beauty, low maintenance and true economy—and how it preserves the original richness and beauty of your architectural design.

pages 4-8

A

color

A rainbow range of 14 colors unmatched by any other producer of American granites. We or any of our consultants will furnish actual samples on request.

pages 9-24

B

design

Photographs and structural details illustrating a few applications of new and inexpensive production units now available to users of Cold Spring granites.

pages 25-29

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specifications

Short form specifications to enable the architect to specify Cold Spring granites for his building in the most efficient, economical and accurate manner.

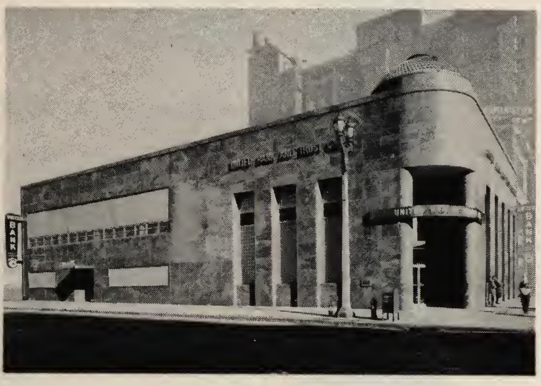
pages 30-31

D

characteristics

the product...

Though the Temple of Rameses II (1350 B.C.) is in ruins, doorways to the pillared halls still retain intact their frame of red and black granite.



The United Bank and Trust Co., St. Louis, Mo., by architect Bernard Bloom, is a typical illustration of granite as applied to modern architecture.

Granite is nature's hardest building material.

The natural binder of granite, holding the crystals together, is quartz—hardest of all common minerals. Only rare minerals such as topaz, corundum and diamond are harder. Quartz is distinguished from all other minerals by its vitreous luster and lack of cleavage.

The color of granite is determined by its impervious mineral pigments. Granite cannot fade—cannot deteriorate. As in a diamond, the beautiful polish of granite is an actual part of the stone.

Polished granite resists the elements as no other building stone can. Permanence of its strength and beauty eliminates all maintenance costs other than an occasional washing.

The ageless beauty of polished granite also resists the ravages of human contact. Polished surfaces of granite are so durable that, even at street levels, they remain unchanged despite the destructive tendencies of careless people. Granite is ideal for entrances, steps, walls and points of heavy traffic.

Extreme durability of granite preserves the rich freshness of design year after year. Ancient pillars, statues and temple decorations of granite are in perfect condition with as beautiful a polish as the day they were made—though they have been outside, in all kinds of climates and conflicts, for centuries.

Granite was well appreciated by the ancients. In Egyptian tombs, corridors were blocked with granite to frustrate pillagers. Giant oblisks, such as the "Cleopatra's Needles," made to stand forever, were made of granite. And the old Roman aquiduct of Segovia, Spain, built of granite, still stands as an example of ageless strength and durability.

savings...

For generations, the permanence and enduring beauty of granite has made it the most desired of all building stones. But cost of quarrying, fabricating, transporting and setting restricted its use. In the past, use of granite was generally confined entirely to costlier monumental structures, or was used sparingly where the utmost in wear and weather resistance made it a necessity.

Today, Cold Spring Granite Company's developments of modern methods of quarrying and fabricating granite have revolutionized the industry—and greatly lowered costs. The Company is still experimenting and pioneering, at this moment working granite with greater savings than possible before.

Cold Spring granite is channel quarried into rectangular blocks to avoid waste. At the plant, fabrication is almost wholly accomplished by use of money-saving, giant machines. Elimination of excess weight during the processing gives enormous savings due to low cost of transportation and handling.

An everyday, familiar example of the Company's economizing services and facilities is the sight of Cold Spring Granite Company trucks pulling to a stop at a job site, exactly on schedule. Most of the Company's quick deliveries are made by interstate trucks. This money-saving, worry-saving service assures you that your granite will be delivered safely, undamaged and on time.

Now the cost of architectural granite is so surprisingly low, its cost is no longer a restraining factor in its use. And, as always, the *first* cost is the *only* cost. Impervious to stains and scratches, the beauty and polish of Cold Spring granite is as imperishable as the stone itself.

characteristics

To reduce waste, all Cold Spring granites are quarried by the channeling process. High speed pneumatic drills separate blocks from the quarry bed.

Cold Spring granites are transported by truck all the way to the job site to assure safe, on-time arrival of granites at the building project.

A characteristics

sizes and services

sizes...

Modern equipment permits us to supply, economically, pieces up to 19 feet long and 9 feet wide. Economy of jointing and maintenance improves as the size increases.

Our standard practice is to quarry granite blocks approximately 11 ft. by 8 ft. which weigh from 60 to 70 tons. We can supply much larger sizes, but transportation regulations occasionally impose some limitations.

We recommend a minimum thickness of 2 inches, plus or minus ½ inch.

Field experience indicates that the 2 inch thickness is more economical than thinner granites for exterior use. Problems of firm anchoring, shelf angle support, breakage on the job before and after setting, and inability to point or hold pointing, with resulting leaks, strongly suggest use of structural thicknesses wherever possible. But where conditions or preference require it, we can furnish granite as thin as ⅞ inch.

If you specify foreign granites, we recommend that the granites be fabricated in the United States for greater assurance of delivery on time and in the correct sizes, and for greater ease of replacement and assurance of reliable service.

A crane lifts a typical granite block from the quarry, approximately 8′ x 8′ x 11′, weighing from 60 to 70 tons.

Inside the plant, Cold Spring granite can be fabricated in an almost limitless variety of sizes.

services...

Your local Cold Spring Granite Company consultant will be happy to give you a preliminary estimate at any time. In addition, our staff of highly trained engineers and draftsmen is always prepared to assist in solving problems of anchoring, jointing and other problems of installation. You are invited to ask their help when you contemplate use of granite in any of your building projects.

working and finishes...

characteristics

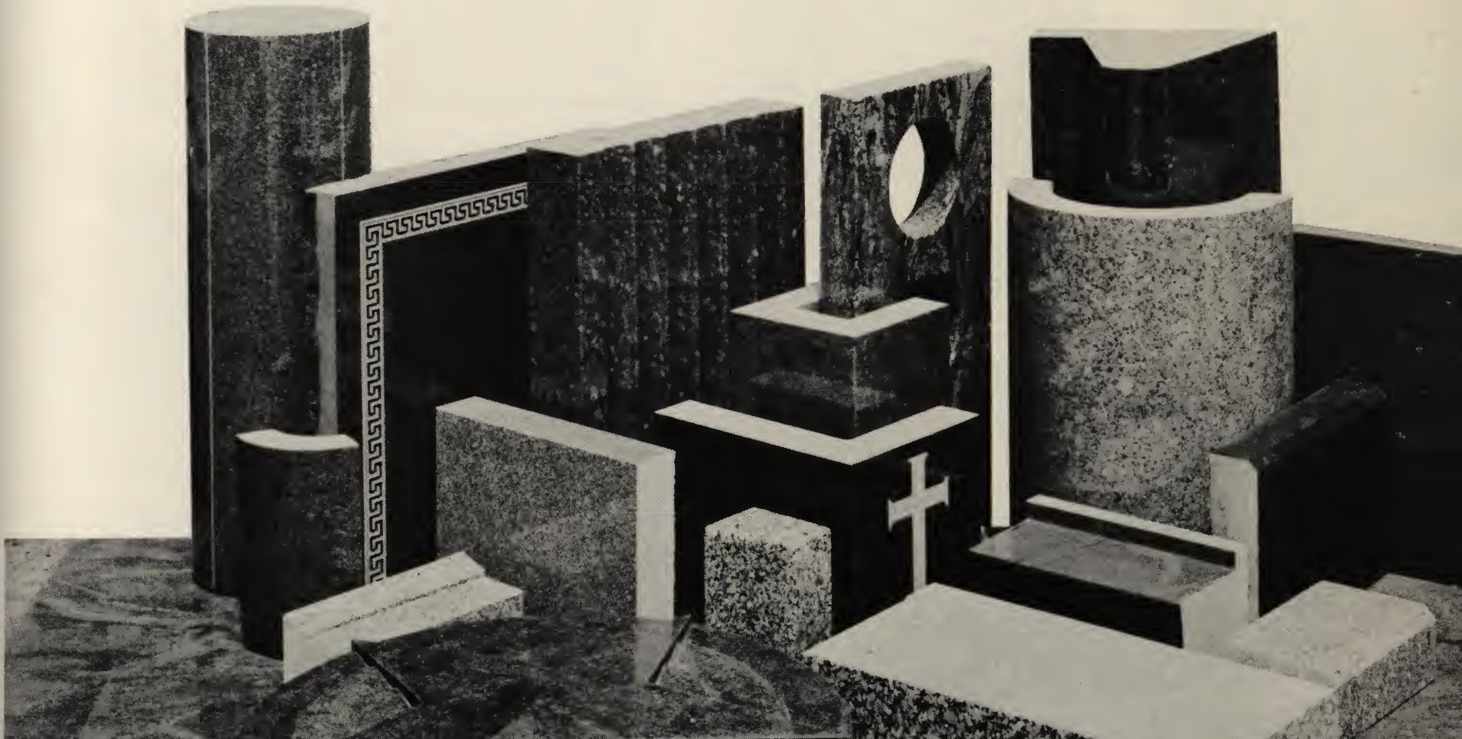
The color photograph shows examples of innumerable shapes which can now be produced by new machines and equipment recently developed in our plants.

Two-piece facing for round, square, or rectangular columns and one-piece radius or corner returns are no more expensive than quirk-mitre, and are much easier to set and maintain.

Our consultants (see list on back cover) will be glad to show examples of finishes available in Cold Spring granites: polished, honed, rubbed, machined or Mellogrooved.

Advanced techniques permit us to polish granite to a degree of perfection unattainable by earlier and commonly used methods. Our polished granite is finished in the same way a lapidary polishes a diamond, and its beauty and luster are equally lasting.

Cold Spring granite assures the owner his finished structure will always do full justice to the grace and beauty of its design. And Cold Spring Granite Company's superior equipment and skills mean better workmanship, lower installation cost and tremendous savings in maintenance.

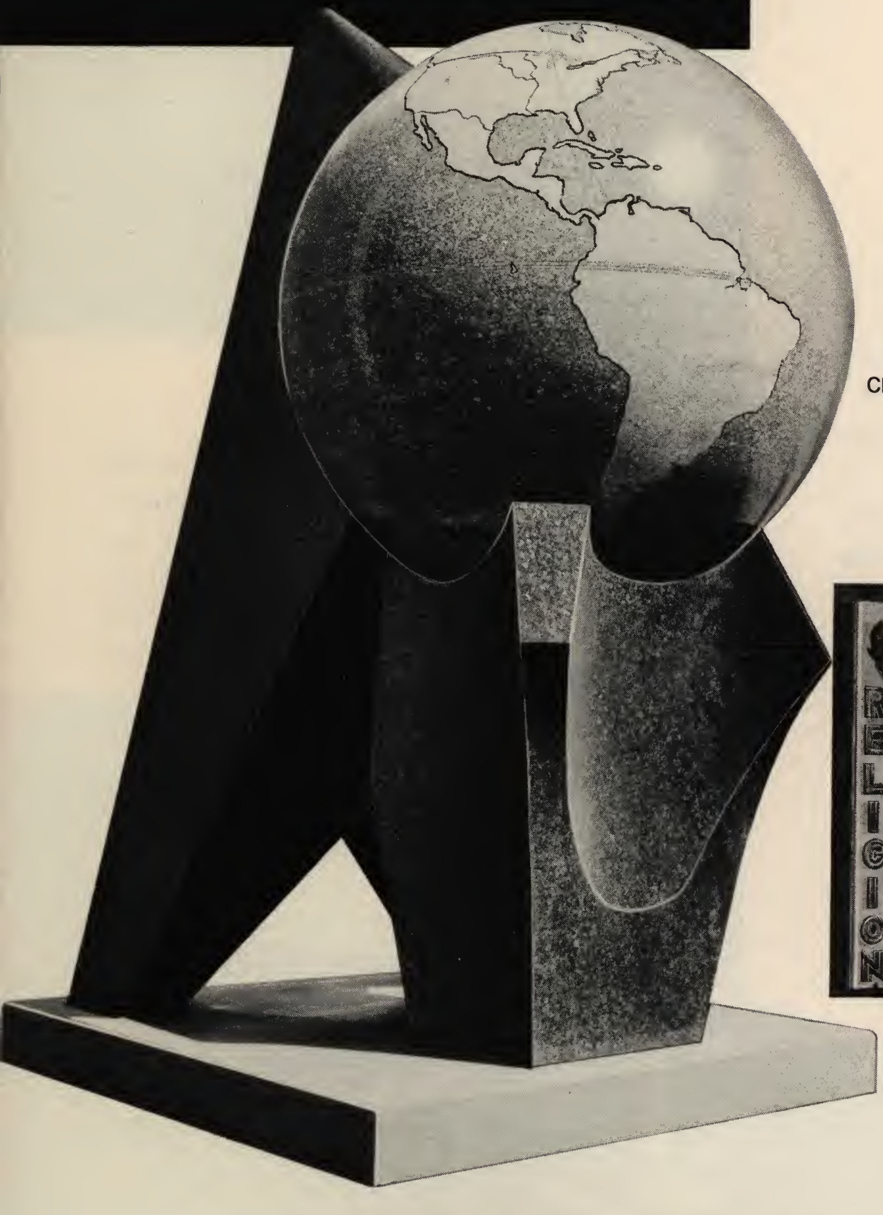


Cold Spring Granite Co.

A characteristics

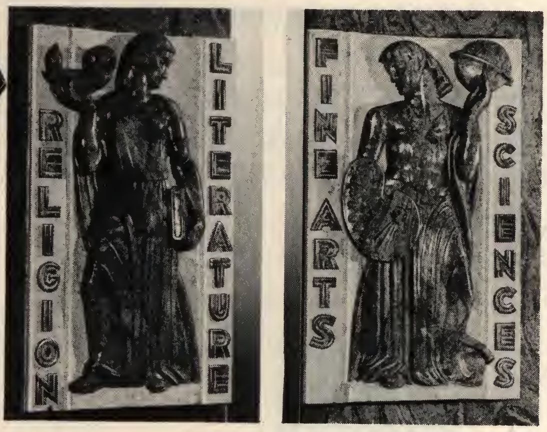
marks of imagination

Distinctive uses of granite show the imaginative thinking devoted to a building's design. Many original ideas of architects, economically impossible to carry out a few years ago, are now completely fulfilled by the ingenuity of Cold Spring craftsmen and superiority of Company equipment.



Clayton High School, Clayton, Mo.
William B. Ittner, architect

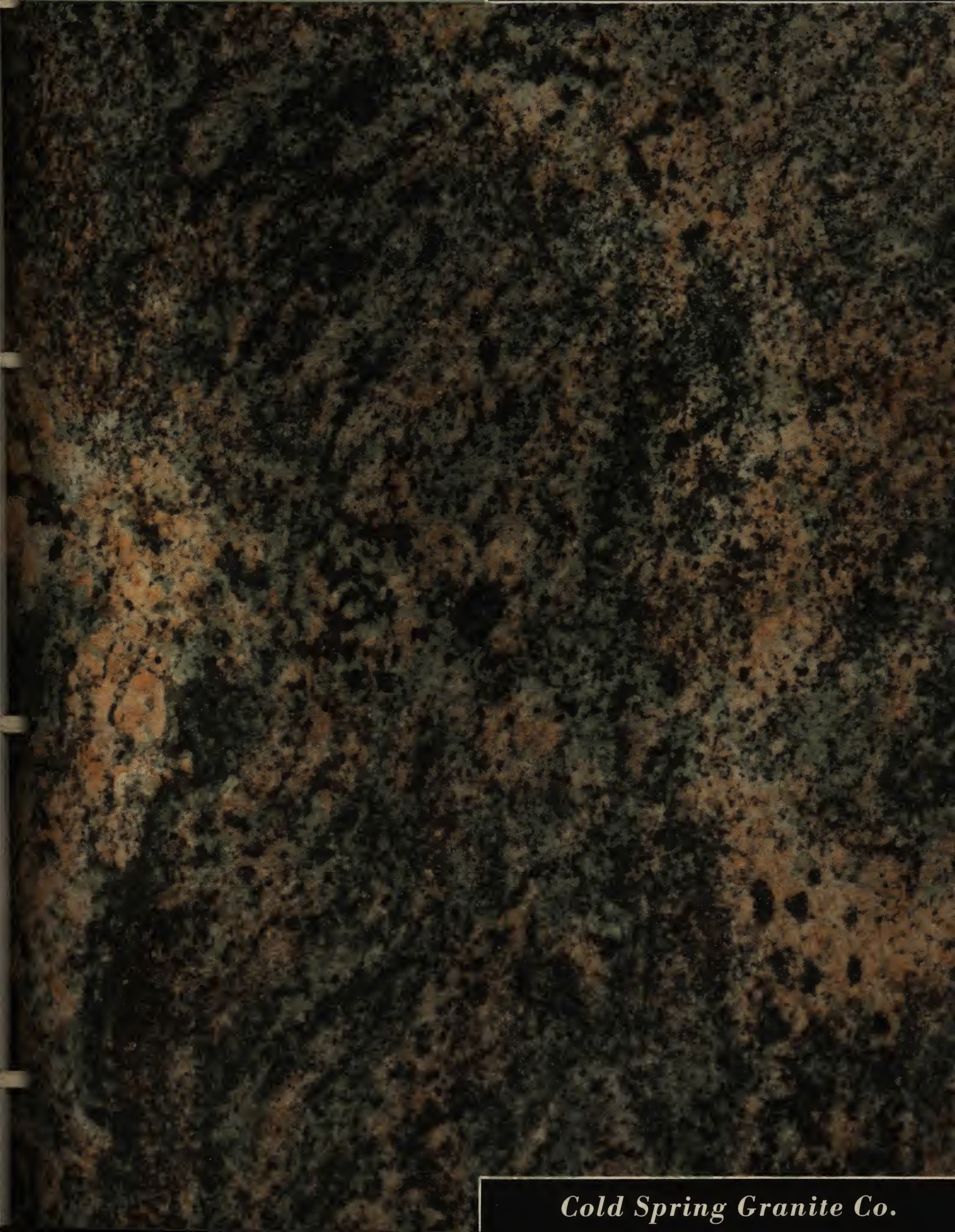
Alverno College, Milwaukee, Wisc.
Maguolo and Quick, architects



Alcoa Building, Pittsburgh, Penn.
Harrison and Abromovitz, architects

Kensington Runestone Replica
Alexandria, Minnesota

rainbow



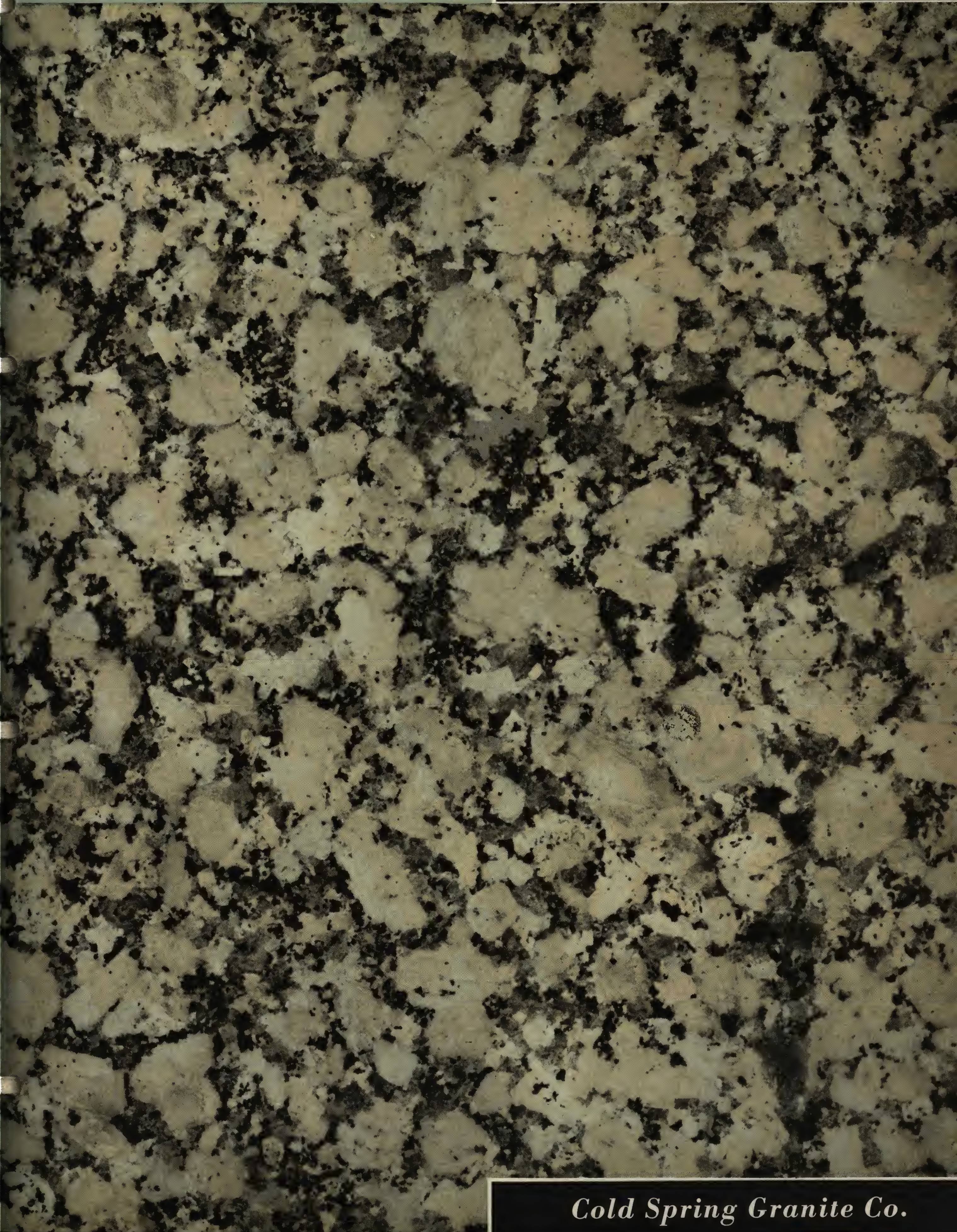
charcoal black

diamond pink

agate

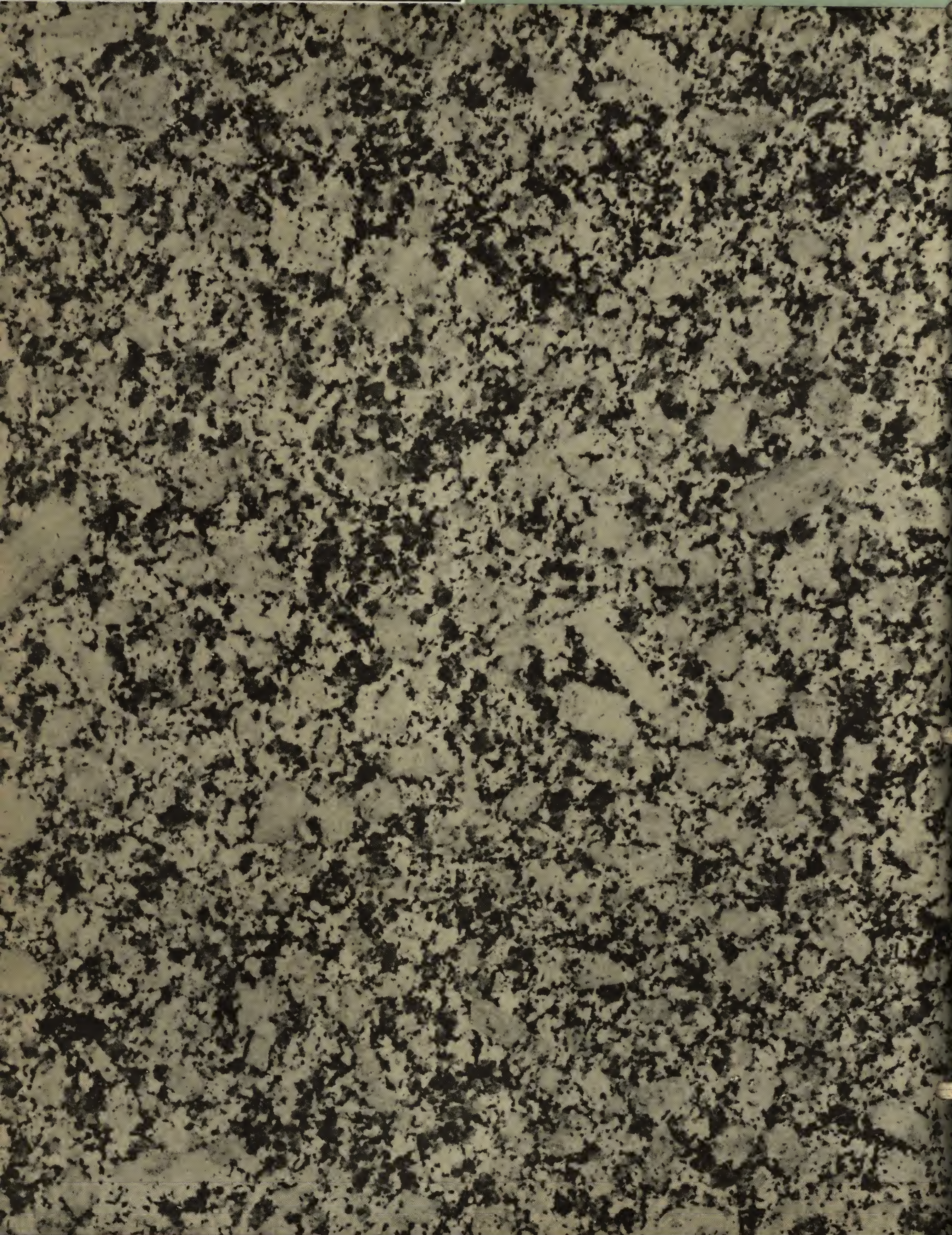
rockville

color **B**



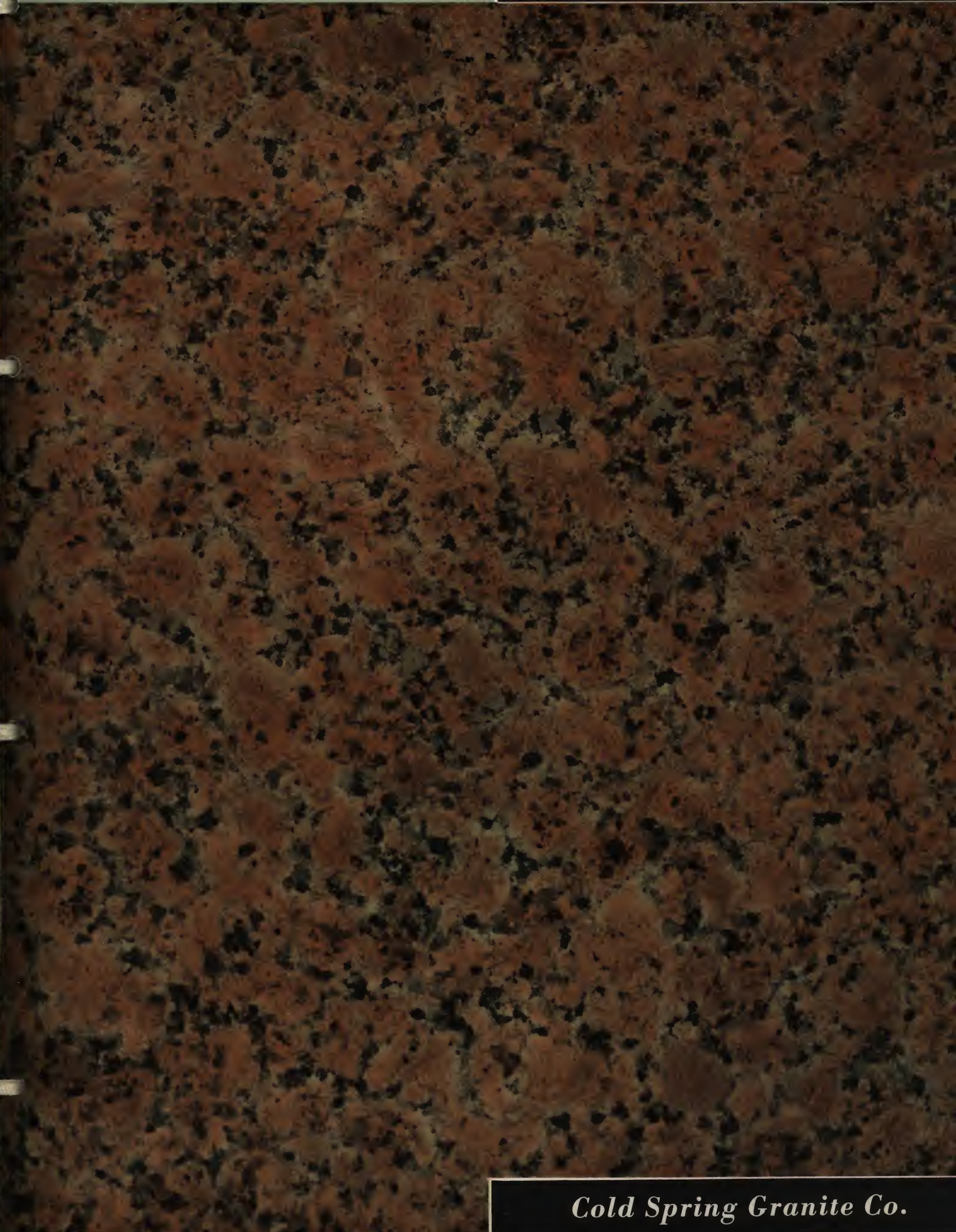
Cold Spring Granite Co.

diamond gray



sunset red

color **B**



Cold Spring Granite Co.

veined ebony

cold spring red

color

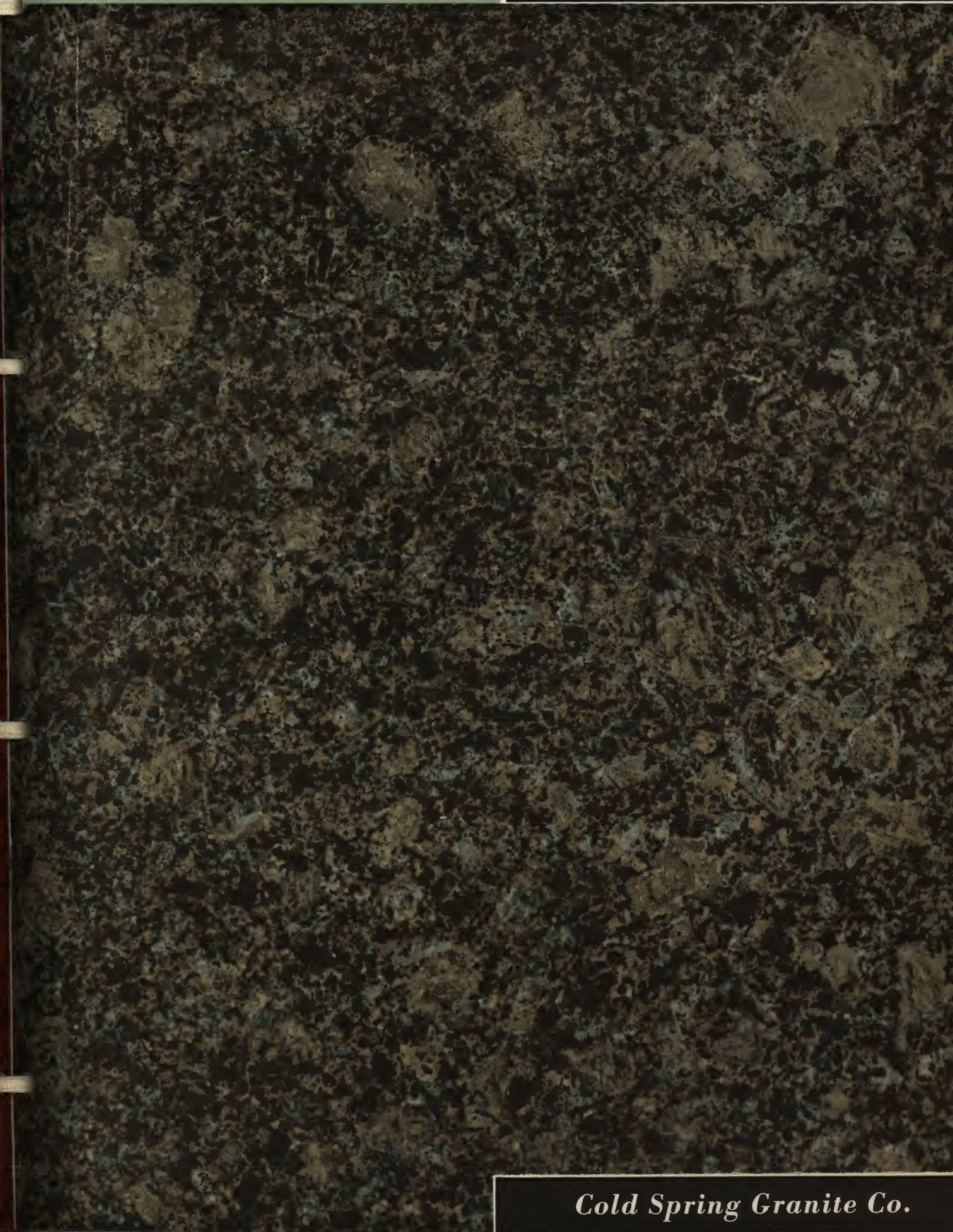
B

Cold Spring Granite Co.

bright red

purple crystal

color



Cold Spring Granite Co.

carnelian

platinum gray

color

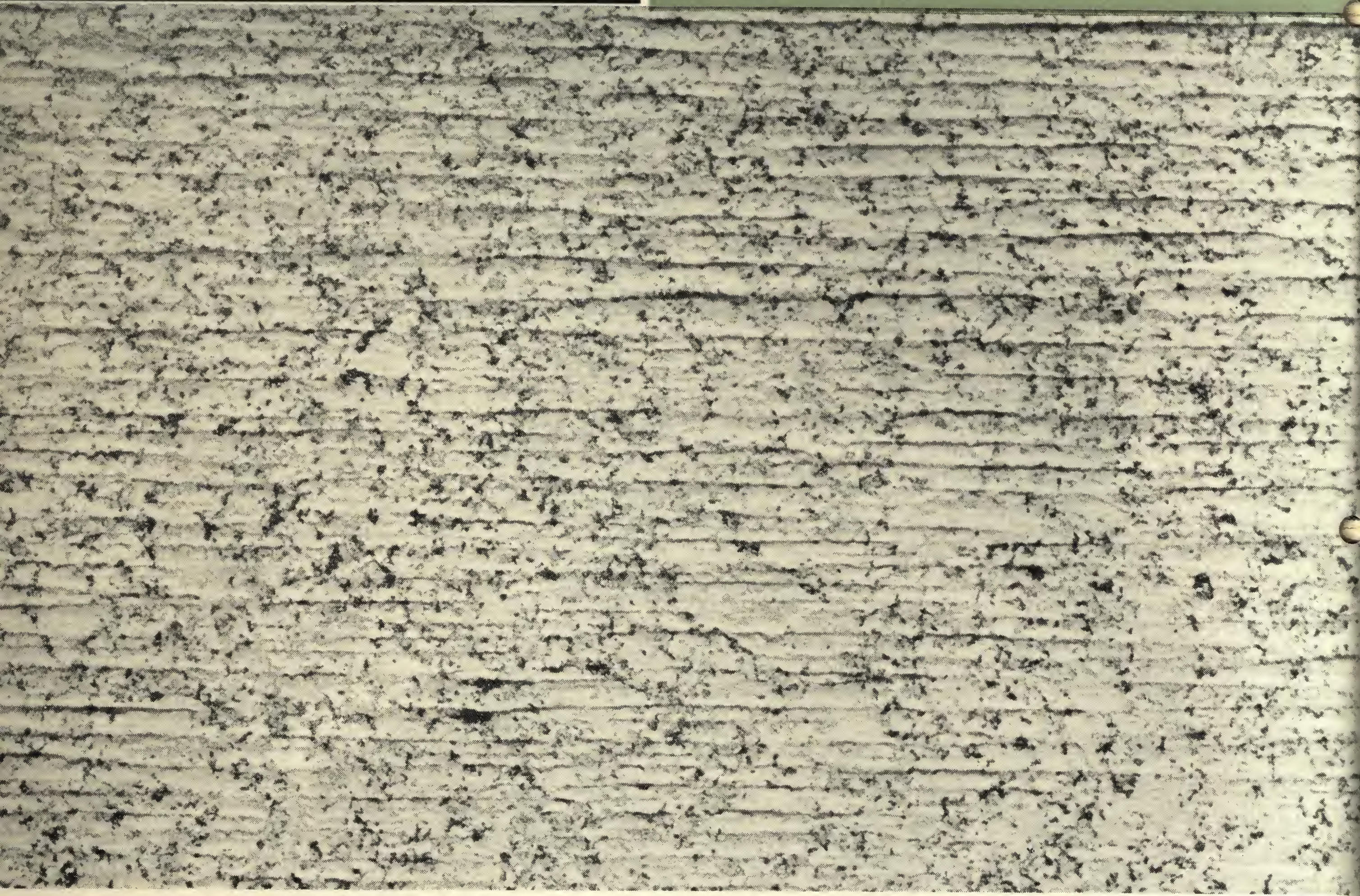
E

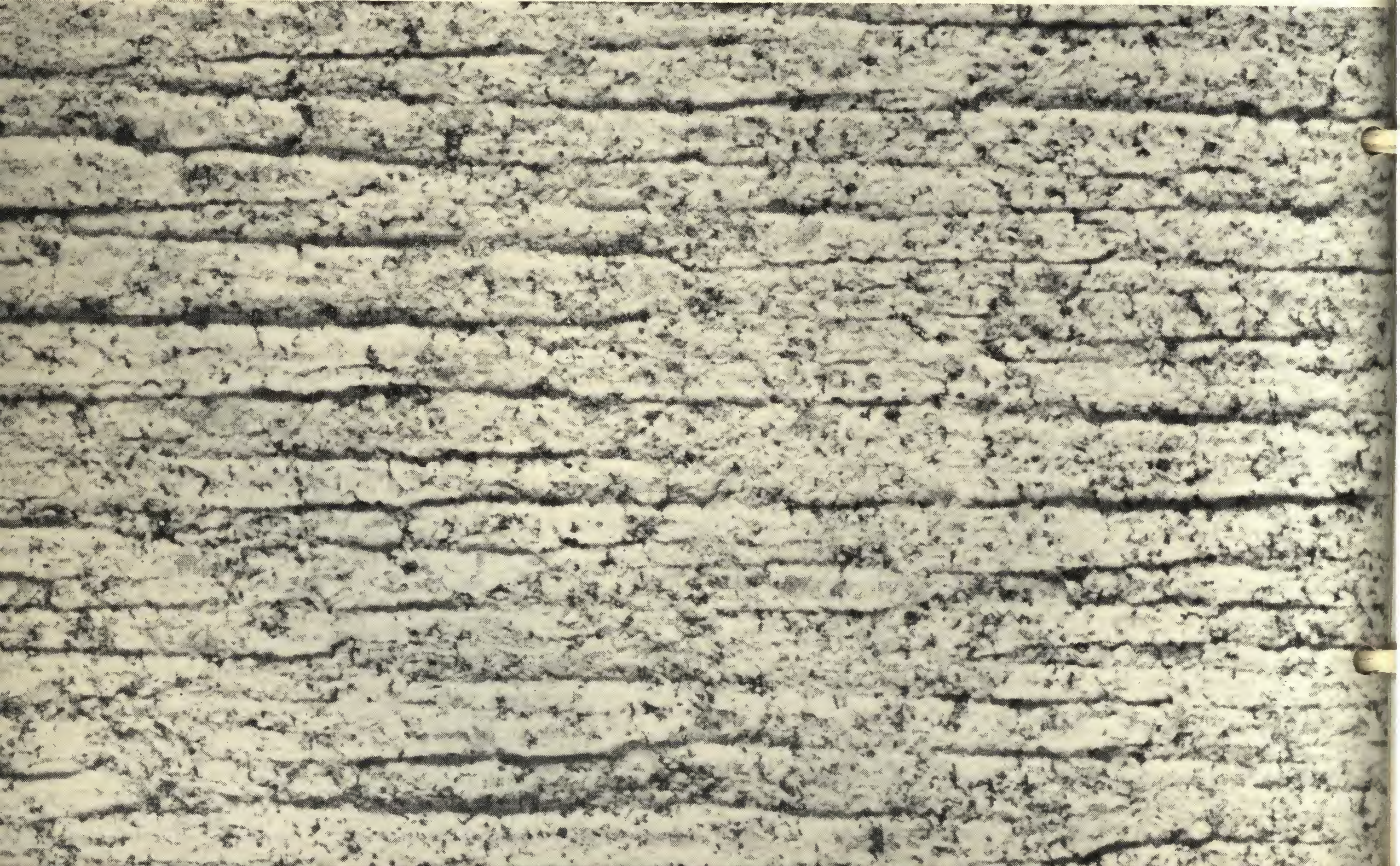
Cold Spring Granite Co.

sierra white

Cold Spring Granite Co.

mellogroove rockville





design

steps, platforms and flooring

Where heavy foot traffic is expected, granite is the most economical material that can be used for steps, platforms and flooring. Granite never wears out, will not crack or craze.

Our Mellogroove process gives a machined non-slip surface to step treads. Grooves run the length of the tread to give a safe, sure footing and a pleasing texture. We recommend Mellogroove finish for most economical use on base courses as well as for step treads.

Risers may be rubbed or polished. Polished risers are self-cleaning—and give a definite line of separation between risers and treads to help eliminate occasional stumbling. Whenever steps appear at eye level or above, polished risers provide a continuance of brilliant, clear area from bottom to top of flight.

Cold Spring's precision fitting makes installation easy and materially increases savings. Beveled polished risers are cut at no additional cost. We recommend an anti-moisture lug at lap joints for the best possible installation. (See other suggested specifications on page 31.)

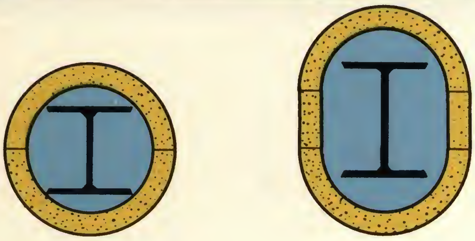
Cold Spring Granite Co.

details...

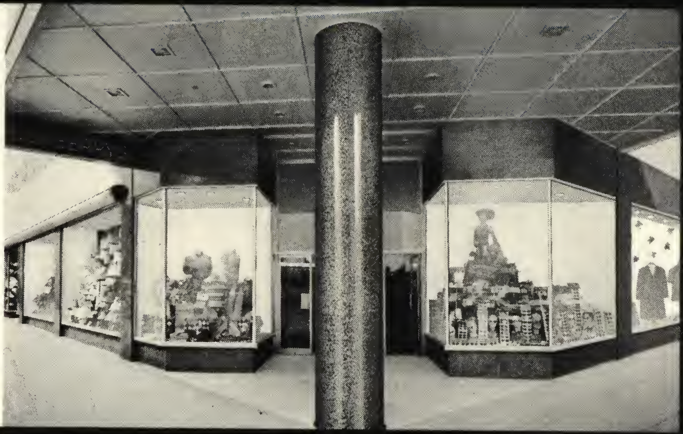
c

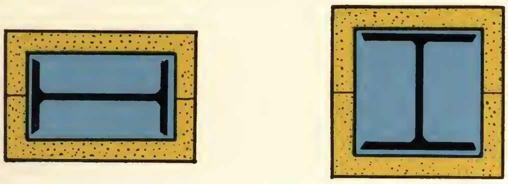
design

The photographs and structural details presented below illustrate a few applications of new and inexpensive production units which are now available to users of Cold Spring granites. These new features are offered at prices lower than any producer of granite has ever quoted in the past.

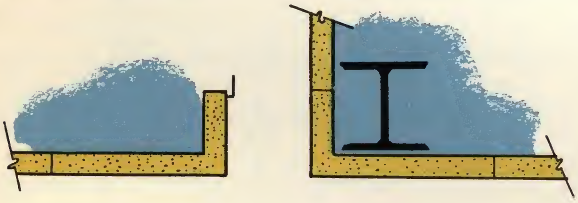


J. J. Newberry Store, Portland, Oregon
Glen Stanton, architect





Minneapolis Savings and Loan Association
Magney, Tusler and Setter, architects

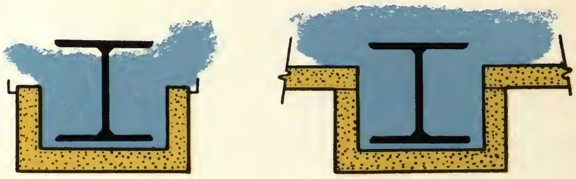


Bell Telephone Building, Chicago, Ill.
Holabird, Root and Burgee, architects

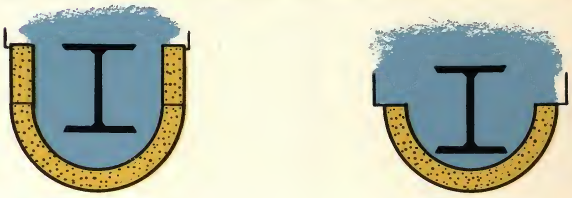
details...

design

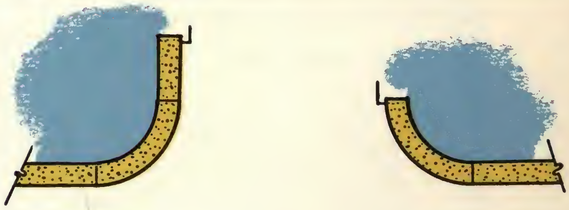
The units are products of techniques and granite-working machines developed by Cold Spring Granite Company. Better construction and easier installation are combined with lasting, gleaming beauty. Any of our consultants listed on the back cover will be glad to furnish further information.



High School Gymnasium, Upper Darby, Penn.
Bader, Young and Schultze, architects



Home State Life Building, Oklahoma City, Okla.
Coston and Frankfurt, architects



State Capital Annex, Denver, Colorado

Cold Spring Granite Co.

c design

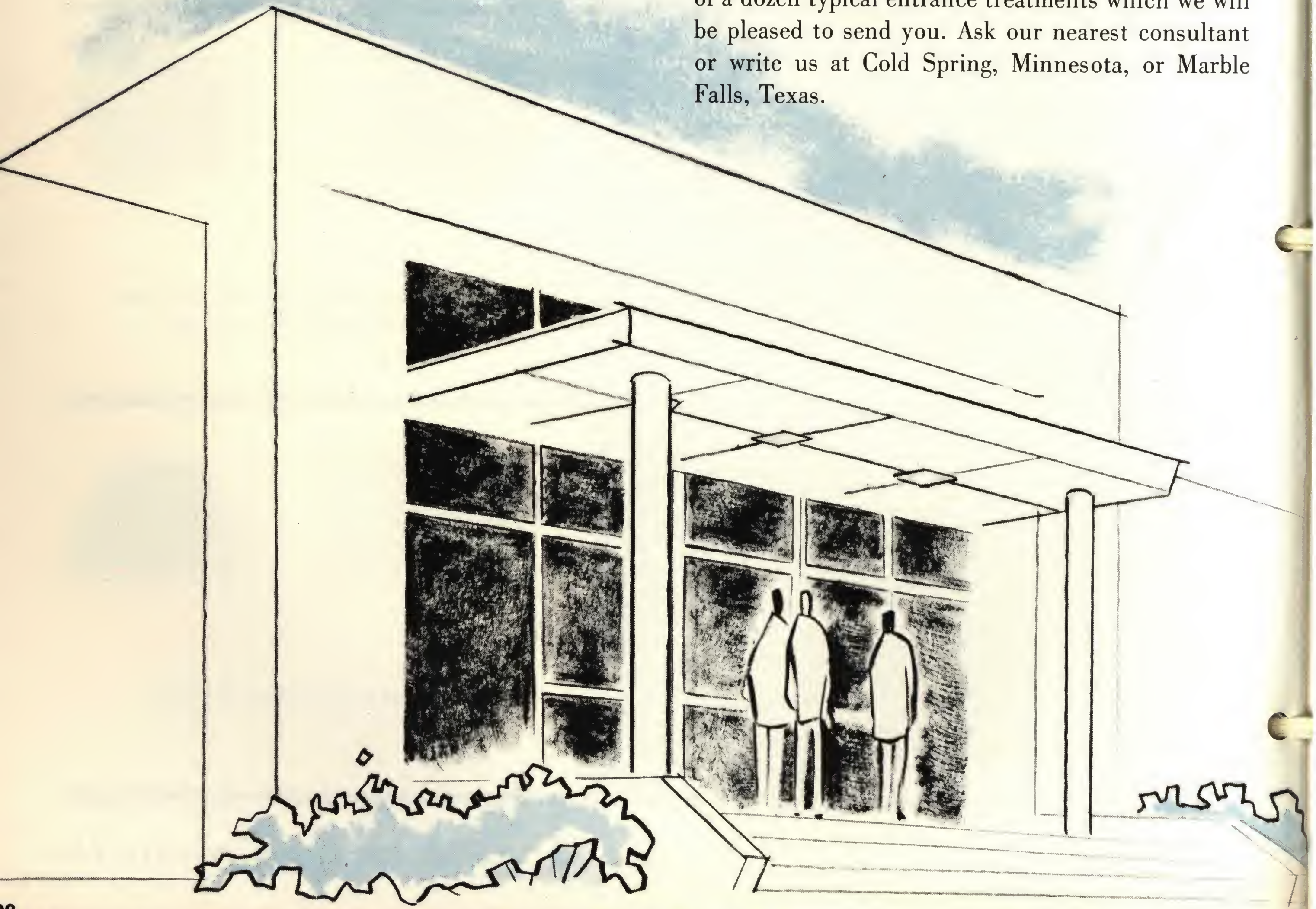
entrances...

A granite entrance is a "picture frame" where all eyes center. It adds a definite touch of dignity and charm that favorably impresses all who see and enter. Cold Spring granites, in 14 colors, readily achieve the impression the designer intends, whether it is trim handsomeness, sparkling delicacy or massive beauty.

The almost limitless possibilities of designs in Cold Spring granites allow each entrance to have its own distinctive individuality. And the imperishable quality of the granite gives assurance that distinctive features will last, unmarred, year after year.

Mineral components of Cold Spring granites are welded by nature so firmly that moisture, gases or impurities from the air cannot penetrate. There is no capillary attraction from the ground. Granite resists stains, scratches and wear of constant traffic. Neither weather nor wear can destroy the fresh beauty of the architect's design.

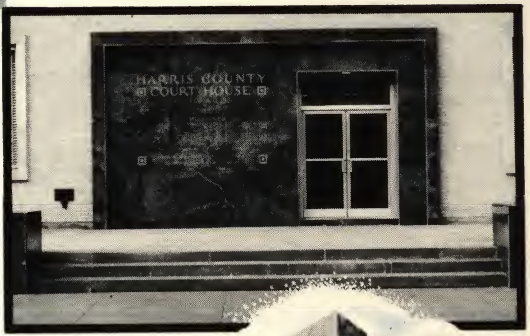
As a guide to designers on prices, we have a folio of a dozen typical entrance treatments which we will be pleased to send you. Ask our nearest consultant or write us at Cold Spring, Minnesota, or Marble Falls, Texas.



design

Prudential Building
Houston, Texas
Kenneth Franzheim,
architect

Harris County Court House
Houston, Texas
Finger and Rustay,
architects



Perpetual Building Association
Washington, D. C.
Bank Building Corporation
of America, architects

Chicago Sinai Congregation
Chicago, Illinois
Friedman, Alschuler
and Sincere, architects

Famous-Barr Building
St. Louis, Missouri
P. John Hoener,
architect

Cold Spring Granite Co.

D

specifications

thick granites...

(1) SCOPE OF WORK—NOTE: Specify work to be executed in granite. If more than one kind is used, specify and locate separately.

(2) MATERIAL—Granite shall be (specify kind) as produced by Cold Spring Granite Company, Cold Spring, Minnesota, or equal. All granite shall be sound and free from defects which will impair strength, durability or appearance.

(3) SAMPLES—Submit samples for approval of adequate sizes to show extreme range in color, texture and quality of stock and finish. Granite delivered shall be in all respects equal to these approved samples.

(4) SHOP DRAWINGS—Furnish and submit (specify number) sets of detailed shop drawings for approval by the Architect, showing accurately the dimensions, jointing, and fabrication of all granite work. All work shall be executed in strict accordance with these approved drawings. No work shall be started before final approval of the shop drawings by the Architect.

(5) CUTTING—NOTE: If more than one finish is required, specify and locate separately.

(5a) SURFACE FINISH—All exposed surfaces shall be (specify finish) Polished—Honed—Rubbed—Machined. All finished surfaces shall be true and out of wind.

NOTE—For finishes on steps, platforms, etc., see STEP SPECIFICATIONS.

(5b) ARRISES—Arrises shall be true and faces shall be out of wind. Arrises on beds and joints that are sawed or hand-cut shall be slightly rounded.

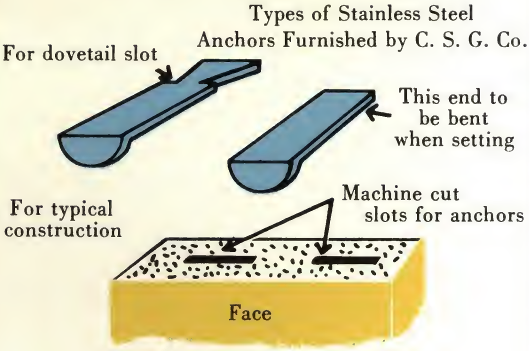
(5c) JOINTINGS—Joints shall be ¼ in. thick, unless otherwise noted.

(5d) BEDS—Beds shall be sawed or cut full and square for at least 2 in. from the face and may fall off not over 1 in. in 12 in. and shall be reasonably free from large depressions.

(5e) JOINTS—Joints shall be sawed or cut full and square for at least 1½ in. and may fall off not over 1½ in. in 12 in. reasonably free from depressions.

(Other specifications, 6 through 17, same as on next page)

anchoring...


Types of Stainless Steel
Anchors Furnished by C. S. G. Co.
For dovetail slot
This end to be bent when setting
For typical construction
Machine cut slots for anchors
Face

ANCHOR DETAILS

Cold Spring Granite Company fabricates stainless steel anchors for every granite order. Resistal Stainless Steel No. 17 Anchors are custom made for each building, shown for architects's approval on all shop drawings, and shipped to the job site with the granite at no extra cost.

Unless otherwise specified, precision cut machined anchor slots are used rather than drilled or hand cut anchor holes. This is particularly desirable when granite is less than 1½ inches thick. It eliminates risk of fracturing granite around anchor hole.

lifting clamps...

Special patented lifting clamps are loaned to contractor for speedy handling of Cold Spring granite while it is being set. This is another added Cold Spring Granite service designed to help keep costs at a minimum. The illustration above shows a lifting clamp in position for use on a piece of Cold Spring granite.

treads and risers

(1) GRANITE—Granite for steps shall be (C. S. Rockville) produced by Cold Spring Granite Company, Cold Spring, Minnesota, or equal.

(2) SURFACE FINISH—Treads shall have machine non-slip surface. Risers shall be polished.

(3) FABRICATION—All jointing shall be in accordance with the approved shop drawings with pattern-controlled arrises.

Beds and joints shall be ¼ in. cut full and square for a distance of two inches back from the face. The balance of the jointed surface shall be free of projections and reasonably free of large depressions.

(3a) (Steps) and (Sills) shall have at least ⅛ in. pitch to the foot.

thin polished facing... specifications

(1) GRANITE—Granite shall be (specify kind) produced by Cold Spring Granite Company, Cold Spring, Minnesota, or equal.

NOTE: Where more than one granite is used, specify and locate each separately.

(2) THICKNESS—Granite shall be from 1¾ in. to 2½ in. in thickness.

NOTE: Allow a minimum of 3 in. from face of granite to face of existing masonry, walls or concrete.

(3) SURFACE FINISH—Exposed surfaces of Granite shall be polished.

(4) DECORATIVE DESIGNS—Decorative designs shall be abrasive etched in accordance with detail drawings.

NOTE: Best adapted to polished surfaces.

(5) BEDS AND JOINTS—Beds and joints shall be ¼ in. wide true to the full thickness and in accordance with the approved shop drawing. Arrises on beds and joints that are sawed or hand cut shall be slightly rounded.

(6) MOULDINGS, WASHES AND DRIPS—Mouldings, washes and drips shall be uniform in profile throughout their length in strict conformity with the full size sections as detailed or approved by the Architect.

(7) MODELS—NOTE: Specify model requirements—whether furnished by others, whether covered by a lump sum to cover cost by molder selected by the Architect or whether included in the granite contract.

(8) ROUGHING FOR CARVING—NOTE: Specify requirements if carving is to be executed by other than the granite contractor.

(9) CARVING—Carving shall be executed by skilled carvers in strict conformity with the approved models approved by the Architect.

(10) SHIPPING, HANDLING AND STORAGE—Granite shall be protected with sufficient crating for transit, receive careful handling and proper storage to prevent breakage, staining or other damage.

(11) SETTING—All beds and joints shall be set in full beds of non-staining Portland cement mortar raked out to a ¾ in. depth from the face. All granite shall be brushed clean and drenched immediately before setting. The facing shall not be built up over two courses in advance of the backing. Use care to keep the facing free of mortar at all times.

Granite may be set using plaster of Paris for hold-fasts and anchor spots at four places on each stone to obtain a quick setting binder. (Note) The plaster will hold anchors in place and act as a spacer to hold each stone in its proper distance from the wall.

(12) MORTAR AND GROUT—The mortar for setting the granite shall be composed of 1 part non-staining cement (either Portland or slag) and 1 part of plastic lime hydrate to 4 or 5 parts of clean sand. (For fine sand, use 4 parts; coarse sand, use 5 parts). The pointing mortar shall be of the same composition. The mortar shall be mixed in small batches, to make a stiff Plastic mass. It shall be mixed until it is thoroughly homogeneous. Mortar shall not be used until it has set for 1 hour, and may be used up to 2 hours after mixing. The sand used shall be such as to cause no stain or chemical action with the cement. The water shall be clear, non-alkaline and devoid of salts or other injurious elements. Compounds with destructive reaction to anchors or other parts should not be used.

Mortar fill for backing between granite and other materials shall be the same as for setting. Only sufficient water shall be added to permit placing and tamping.

(13) ANCHORS AND ANCHORING—Resistal Stainless Steel No. 17 Anchors or their equal shall be furnished by the Granite Contractor. Anchors shall be located as indicated on the approved shop drawings.

NOTE: Granite contractor will supply drawings of anchor slot location details for approval when granite order is placed well in advance to the actual placement of concrete work. Orders placed after concrete is set will have anchor slot locations indicated on granite contractors' shop drawings at time of submittal for approval.

(14) LIFTING (OR LEWISES)—Lifting clamps of sufficient strength shall be furnished by the granite contractor for handling and setting, or holes will be provided for standard Lewis pins.

(15) CLEANING—After all danger of stains or damage from other operations on the building has passed, the granite work shall be carefully cleaned down, removing all dirt mortar stains, and other defacements. Do not use wire brushes or acid solutions.

(16) POINTING—After cleaning, brush all face joints clean and thoroughly wet and fill them with non-staining Portland cement mortar of approximately the same color as the granite. Strike joint neatly to profile detailed or selected. Fill the raked out area of the joint. Press and work the pointing material into the raked out area to insure solid packing throughout entire joint.

NOTE: Fill the raked out area of joint with material selected for pointing so that the pointing is thoroughly worked and pressed into joints so that it fills the entire joint.

NOTE: The required hardness for setting mortar is obtained in 28 days; thus a similar delay before completing cement pointing will further insure work. Mastic pointing can prove unsatisfactory within hand reach of sidewalk.

(17) DEFECTIVE WORK—There shall be no patching or hiding of defects. Defective stones shall be refinished or replaced as directed by Architect.

Cold Spring Granite Co.

inquiries and technical advice

Architects may write, wire or telephone the offices at Cold Spring, Minnesota, or at Marble Falls, Texas, should questions arise concerning details of work contemplated or in process. Working-size samples, preliminary estimates and much technical information is quickly available in most localities. Just telephone one of the firms listed here.

ALABAMA, Birmingham
Mr. Lovick L. Stephenson, Jr.
4000 Clairmont Avenue
Phone: 9-6144

DISTRICT OF COLUMBIA, Washington
Mr. D. X. Flanagan
1028 Conn. Ave., Suite #306
Phone: Sterling 3-4018

DISTRICT OF COLUMBIA, Washington
McLeod & Romborg Stone Co. Inc.,
Bladensburg, Maryland
Phone: Warfield 7-2462

FLORIDA, Jacksonville
Steward-Mellon Company of Jacksonville
945 Liberty Street
Phone: 3-6231

FLORIDA, Miami
Cold Spring Granite Co.
7380 S. W. 54th Court
Phone: 87-4747

GEORGIA, Atlanta
Reeves Marble Co.
1629 Candler Building
Phone: Walnut 0526

GEORGIA, Marietta
Mr. George Thomas
203 Seminole Drive
Phone: 8-3566

ILLINOIS, Chicago
Laing & Sons Granite Co.
7055 S. Chicago Ave.
Phone: Hyde Park 3-5062 & 3-8484

INDIANA, Elkhart
Miller Wholesale Granite Warehouse
510 East Jackson Blvd.
Phone: 2-3006

INDIANA, Indianapolis
Mr. D. X. Flanagan
924 N. Ritter
Phone: Irvington 2721

IOWA, Des Moines
Rowat Cut Stone Co.
110 S. E. 7th Street
Phone: 4-8604

LOUISIANA, New Orleans
King & Co., Inc.
219 Dryades Street
Phone: Raymond 0515 or Magnolia 3438

MICHIGAN, Detroit 26
Mr. L. S. Taylor
602 Park Avenue Bldg.
Phone: Woodward 3-5594

MINNESOTA, Minneapolis
Rich-McFarlane Cut Stone Co.
2707 26th Ave. S.,
Phone: Dupont 1256

MISSOURI, Carthage
Carthage Marble Corporation
Box 612
Phone: 2145

MISSOURI, Kansas City
Carthage Marble Corporation
1012 Scarritt Building
Phone: Victor 4696

MISSOURI, St. Louis 17
Mr. Fremont G. Elliott
9032 McKnight Woods
Phone: Wydown 1-2921

NEBRASKA, Omaha
Sunderland Bros. Co.
609 N. 46th Street
Phone: Glendale 2233

NEW YORK, Buffalo
Loomis Stone & Marble Co.
1807 Elmwood Ave.
Phone: Delaware 1236

NEW YORK, New York
Mr. Albert G. MacInnis
15 Park Row
Phone: Barclay 7-8228

NEW YORK, Rochester
Sackett Tile, Marble, Stone & Memorial Co.
320 S. Avenue
Phone: Hamilton 2225

OHIO, Cincinnati 14
The David Hummel Building Co.
2629 Spring Grove Ave.
Phone: Kirby 4376-77

OHIO, Cleveland 5,
Great Lakes Granite Distributors, Inc.
9906 Miles Ave.
Phone: Broadway 1-6644

OREGON, Portland
Blaesing Granite Co.
1225 S. W. Third Ave.
Phone: Broadway 5553

PENNSYLVANIA, Pittsburgh 9,
Paul Kress & Son, Inc.
Bridge Street, Millvale
Phone: Millvale 1-2772

PENNSLYVANIA, Upper Darby (Phila.)
Vickery Stone Co.
P.O. Box #94, 6328 Market Street
Phone: Granite 6-0750

TEXAS, Dallas
Mr. John Pence, Sr.,
P.O. Box 1045, 3016 Dyer Street
Phone: Logan 1686

TEXAS, Marble Falls
Texas Granite Corporation
P.O. Box 368
Phone: 3003

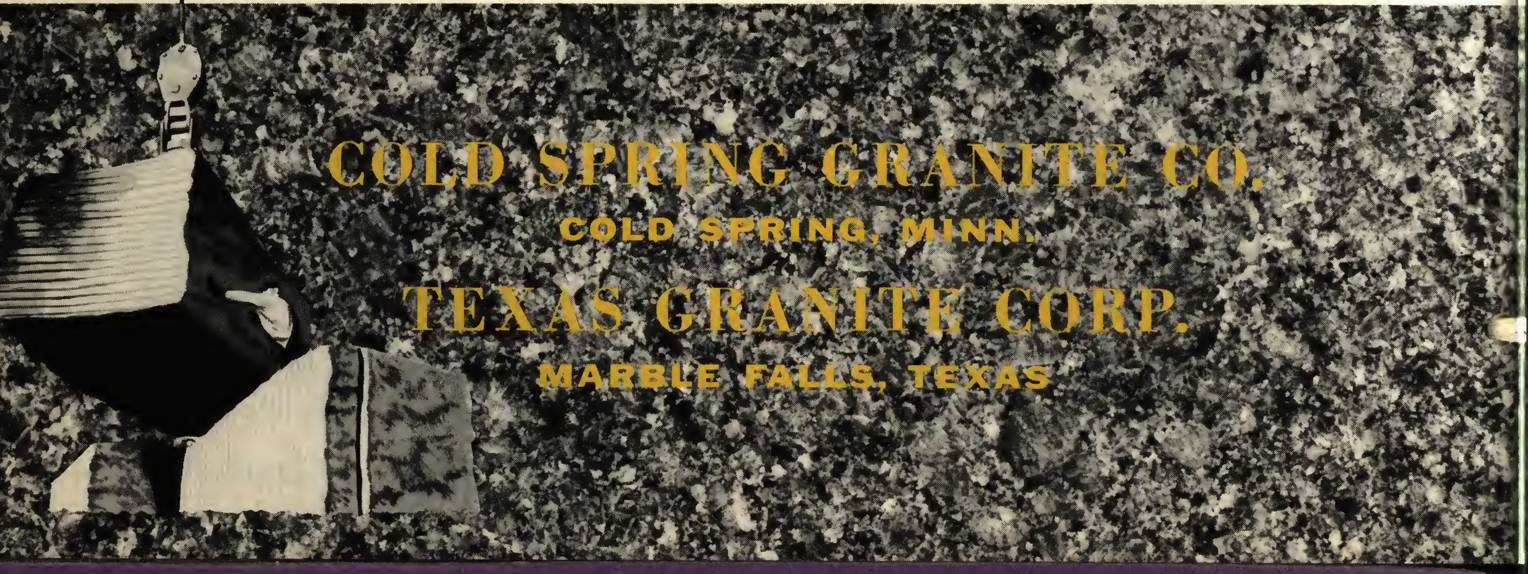
UTAH, Ogden
Pioneer Memorial and Tile Co.
3019 Washington Blvd.
Phone: 6914

VIRGINIA, Roanoke
Marsteller Corporation
1809 Franklin Road, SW; P.O. Box 810
Phone: 6621

WASHINGTON, Seattle
Northwest Marble and Terrazzo Co., Inc.
731 West Lake North
Phone: Eliot 1308

WASHINGTON, Spokane
Swanson Stone and Marble Co.
Second & Maple, P.O. Box 1302
Phone: Riverside 6061

WISCONSIN, Milwaukee
Vollbrecht Cut Stone Co.
139 South 16th Street
Phone: Mitchell 5-4430



COLD SPRING GRANITE CO.
COLD SPRING, MINN.

TEXAS GRANITE CORP.
MARBLE FALLS, TEXAS

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